## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/013797

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> H01L41/083, 41/09, 41/22, F02	M51/00, 51/06, H02N2/04	·
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)  Int.Cl <sup>7</sup> H01L41/083, 41/09, 41/22, F02M51/00, 51/06, H02N2/04		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Titsuvo Shipan Koho 1922–1996 Jitsuvo Shipan Toroku Koho 1996–2004		
Jitsuyo Shinan Koho 1922—1996 Jitsuyo Shinan Toroku Koho 1996—2004 Kokai Jitsuyo Shinan Koho 1971—2004 Toroku Jitsuyo Shinan Koho 1994—2004		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
X JP 2000-77733 A (Hitachi, Ltd. 14 March, 2000 (14.03.00), Page 3, right column, lines 1 (Family: none)		1-3,6-8, 10-11,17,19, 21-23 5,20 4,9,12-16, 18
Y JP 2001-342062 A (Kyocera Colling 11 December, 2001 (11.12.01), Page 2, right column, line 31 column, line 36; Fig. 1 (Family: none)	• •	5,20
Further documents are listed in the continuation of Box C.  See patent family annex.		
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier application or patent but published orn or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered step when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the considered to involve an inventive s	
"O" document referring to an oral disclosure, use, exhibition or other means	combined with one or more other such	documents, such combination
"P" document published prior to the international filing date but later than the priority date claimed	being obvious to a person skilled in the art  "&" document member of the same patent family	
Date of the actual completion of the international search 08 December, 2004 (08.12.04)	Date of mailing of the international search report 21 December, 2004 (21.12.04)	
Name and mailing address of the ISA/	Authorized officer	
Japanese Patent Office		
Facsimile No.	Telephone No.	